

What is claimed is:

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1. An isolated polypeptide selected from the group consisting of:
- (a) an isolated polypeptide encoded by a polynucleotide comprising the sequence of SEQ ID NO:1;
- (b) an isolated polypeptide comprising a polypeptide sequence having at least 99% identity to the polypeptide sequence of SEQ ID NO:2;
- (c) an isolated polypeptide comprising the polypeptide sequence of SEQ ID NO:2;
- 10 (d) an isolated polypeptide having at least 99% identity to the polypeptide sequence of SEQ ID NO:2;
- (e) the polypeptide sequence of SEQ ID NO:2; and
- (f) fragments and variants of such polypeptides in (a) to (e)
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2. An isolated polynucleotide selected from the group consisting of:
- (a) an isolated polynucleotide comprising a polynucleotide sequence having at least 99.5% identity to the polynucleotide sequence of SEQ ID NO:1;
- (b) an isolated polynucleotide comprising the polynucleotide of SEQ ID NO:1;
- (c) an isolated polynucleotide having at least 99.5% identity to the polynucleotide of SEQ ID NO:1;
- 20 (d) the isolated polynucleotide of SEQ ID NO:1;
- (e) an isolated polynucleotide comprising a polynucleotide sequence encoding a polypeptide sequence having at least 99% identity to the polypeptide sequence of SEQ ID NO:2;
- (f) an isolated polynucleotide comprising a polynucleotide sequence encoding the polypeptide of SEQ ID NO:2;
- 25 (g) an isolated polynucleotide having a polynucleotide sequence encoding a polypeptide sequence having at least 99% identity to the polypeptide sequence of SEQ ID NO:2;
- (h) an isolated polynucleotide encoding the polypeptide of SEQ ID NO:2;
- (i) an isolated polynucleotide with a nucleotide sequence of at least 100 nucleotides obtained by screening a library under stringent hybridization conditions with a labeled probe having the
- 30 sequence of SEQ ID NO: 1 or a fragment thereof having at least 15 nucleotides;
- (j) a polynucleotide which is the RNA equivalent of a polynucleotide of (a) to (i);
- or a polynucleotide sequence complementary to said isolated polynucleotide and polynucleotides that are variants and fragments of the above mentioned polynucleotides or that are complementary to above mentioned polynucleotides, over the entire length thereof.
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3. An antibody immunospecific for the polypeptide of claim 1.
4. An antibody as claimed in claim 3 which is a polyclonal antibody.
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5. An expression vector comprising a polynucleotide capable of producing a polypeptide of claim 1 when said expression vector is present in a compatible host cell.

—6. A process for producing a recombinant host cell which comprises the step of introducing an expression vector comprising a polynucleotide capable of producing a polypeptide of claim 1 into a cell such that the host cell, under appropriate culture conditions, produces said polypeptide.

5 - 7. A recombinant host cell produced by the process of claim 6.

- 8. A membrane of a recombinant host cell of claim 7 expressing said polypeptide.

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and
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- 9. A process for producing a polypeptide which comprises culturing a host cell of claim 7 under conditions sufficient for the production of said polypeptide and recovering said polypeptide from the culture.

10. A method for screening to identify compounds that stimulate or inhibit the function or level of the polypeptide of claim 1 comprising a method selected from the group consisting of:

15 (a) measuring or, detecting, quantitatively or qualitatively, the binding of a candidate compound to the polypeptide (or to the cells or membranes expressing the polypeptide) or a fusion protein thereof by means of a label directly or indirectly associated with the candidate compound;

(b) measuring the competition of binding of a candidate compound to the polypeptide (or to the cells or membranes expressing the polypeptide) or a fusion protein thereof in the presence of a
20 labeled competitor;

(c) testing whether the candidate compound results in a signal generated by activation or inhibition of the polypeptide, using detection systems appropriate to the cells or cell membranes expressing the polypeptide;

(d) mixing a candidate compound with a solution containing a polypeptide of claim 1, to form a
25 mixture, measuring activity of the polypeptide in the mixture, and comparing the activity of the mixture to a control mixture which contains no candidate compound; or

(e) detecting the effect of a candidate compound on the production of mRNA encoding said polypeptide or said polypeptide in cells, using for instance, an ELISA

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